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OFFICE OF RESEARCH AND REPORTS 25X1A

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Series Number CIA/RR CB 62-59  
Date of Document 21 September 1962

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103	[REDACTED]	4 Oct 62	
104	[REDACTED]	"	
105	[REDACTED]	"	
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108	[REDACTED]	"	
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112	[REDACTED]	"	
113	[REDACTED]	Nvt Sent	
114 - 116	[REDACTED]	"	
117 - 121	Filed in St/P/C	1 Oct 62	
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33	Received from OAD/C	18 Jan 63	
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79	[REDACTED] R9CH	2 May 63	
113	CIA Ltr for ACST/Quincy	18 Feb 63	25X1A
114	CIA Ltr for AFM	12 Apr 63	
33, 35	Records Center	6 May 64	
117	[REDACTED]		

SUBJECT: Distribution of Current Support Brief No. *CTA/RR CB 62-59**Remove a possible site of a facility of  
production for storage missile fuel*

(Title)

*21 Sept. 62*  
(Date)

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155-168 - Navy, Director ONI, Rm. 5B659, Pentagon

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179-180 - Asst. Secretary of Defense, ISA, Rm. 3D220, Pentagon

181-184 - USIA, Attn: W. Phelps, IRR/D, Rm. 701, Walker Johnson Bldg.  
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199-200 - Dr. Neilson Debevoise, NSC, Rm. 365, Executive Office Bldg.

\* [REDACTED] Attn: Classified Records Section, Rm 26

Nat'l War College Bldg., Wash., 25, D. C.

Chief, Current Support Staff

REAP/CS: [REDACTED] 06107693A-407019102A001300140001-1

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21 September 1962

MEMORANDUM FOR: [REDACTED]

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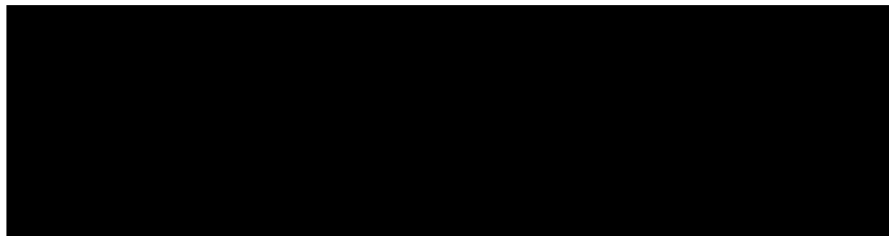
ATTENTION : [REDACTED]

FROM : Chief, Publications Staff, ORR

SUBJECT : Release of Information as **SECRET**

1. It is requested that your office examine the information from the following sources cited in the attached draft of a Current Support Brief, Kemerovo Possible Site of Storable Missile Fuel Production Facility, **SECRET/NO FOREIGN DISSEM**, to determine whether or not it may be published as **SECRET** without dissemination controls:

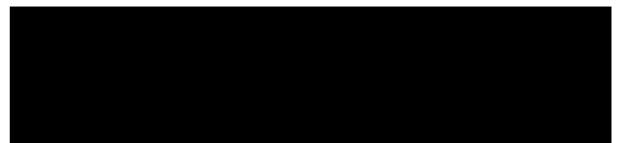
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2. If approval is given for the use of this information as **SECRET**, all sources will be deleted before the published report is released to foreign recipients.

3. Please return the attached draft.

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Attachment:

Draft of Current Support Brief,  
dated 14 September 1962

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*OK as requested*

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*26 Sept '62*

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## Current Support Brief

CIA/RR CB 62-59

No. Pages 5  
21 September 1962

Copy No. 115

KEMEROVO, A POSSIBLE SITE OF A FACILITY  
FOR PRODUCTION OF STORABLE MISSILE FUEL



CENTRAL INTELLIGENCE AGENCY

Office of Research and Reports

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S-E-C-R-E-T

KEMEROVO, A POSSIBLE SITE OF A FACILITY  
FOR PRODUCTION OF STORABLE MISSILE FUEL

A nitrogen plant at Kemerovo, located in West Siberia about 200 kilometers east of Novosibirsk, may be either producing compounds having application as storable missile fuels or constructing a production unit for such compounds. According to current intelligence estimates, storable fuels are being used in several Soviet missiles, including a second-generation ICBM. 1/ As yet, however, no direct association has been noted between the nitrogen plant and the Soviet missile program.

On at least three occasions, employees of the Kemerovo Nitrogen Fertilizer Plant imeni 18th Congress of the VKP(b) -- a known producer of ammonia, ammonium nitrate, nitric acid, formaldehyde, and methanol 2/ -- have published reports on the subject of amines, compounds which have direct application as storable missile fuels or which may be used to produce other storable fuels, such as derivatives of hydrazine. Two of the reports describe an analysis of mixtures containing ammonia and methylamine, and the third a method of identifying primary aliphatic amines. 3/ The ammonia or methanol synthesized at the fertilizer plant together with chlorine, caustic soda, or other raw materials produced in the Kemerovo area would permit production of a wide range of amines and related compounds.

Another indication that the Kemerovo Nitrogen Fertilizer Plant may be concerned with production of storable fuels is the fact that representatives of the State Institute of Applied Chemistry (GIPKh) were working at the plant in 1961, apparently to aid in developing three processes, only one of which (the catalytic hydrogenation of nitrobenzene) was cited in an unclassified source. 4/ The catalytic hydrogenation of nitrobenzene yields aniline, which is itself a possible storable missile fuel. Although GIPKh has planned and designed facilities producing non-strategic chemical products, its functions also include the development

21 September 1962

CIA/RR CB 62-59

Page 1

S-E-C-R-E-T

S-E-C-R-E-T

and testing of propellants. During the late 1940's the institute investigated methods of producing amines for use as missile fuels, and this work led to construction of a plant at Dzerzhinsk for production of aliphatic amines. 5/ More recently, [REDACTED]

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[REDACTED] GIPKh was synthesizing hydrazine derivatives and in fact had supplied [REDACTED] the hydrazine required for [REDACTED] experiments. 6/ This statement suggests that the institute may be operating a pilot plant for production of hydrazine and, therefore, could contribute to the development of a unit capable of large-scale production.

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The aforementioned articles on amines by employees of the Kemerovo plant, the association of this facility with GIPKh, and the availability in Kemerovo of raw materials used in production of storable fuels suggest that a facility producing such compounds may be under construction or in operation at the nitrogen fertilizer plant. In the absence of any known associations with the Soviet missile program, however, additional evidence will be required for confirmation of the suspected activity.

21 September 1962

CIA/RR CB 62-59

Page 2

S-E-C-R-E-T

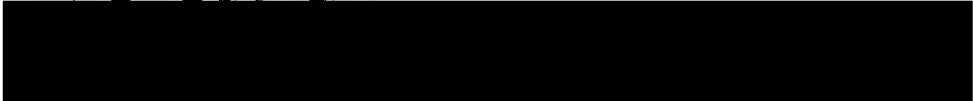
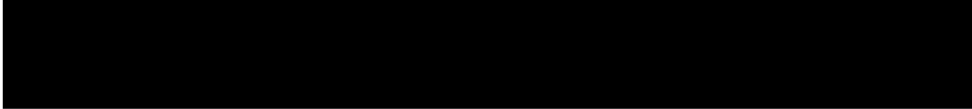
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Sources:

1. CIA. OSI, Scientific Intelligence Digest, no 61-26, 26 Dec 61, p. 5. S/NOFORN.
2. Stroitel'naya gazeta, 6 Oct 61. U.  
Stroitel'naya gazeta, 27 Jan 61. U.  
Ekonomicheskaya gazeta, 9 Jul 60. U.
3. Zavodskaya laboratoriya, vol 21, no 10, Oct 55, p. 1166-68. U.  
Ibid., vol 24, no 3, Mar 58, p. 283-7. U.  
Ibid., vol 24, no 6, Jun 58, p. 684-8. U.
4. Ekonomicheskaya gazeta, 13 Jan 61, p. 3. U.
5. 
6. 

25X1A

21 September 1962

CIA/RR CB 62-59

Page 3

S-E-C-R-E-T



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S-E-C-R-E-T

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